

Converting Colors

$Yxy(80.7590, 0.3045, 0.4466)$

Have a look what the booklet for
Yxy(80.7590, 0.3045, 0.4466)
contains.

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Color

Yxy(80.7609, 0.3045, 0.4465)

Conversions

Conversions Part 1

Format	Color
Hex	99FF9E
RGB	153, 255, 158
RGB Percent	60%, 100%, 62%
CMY	0.3998, 0.0000, 0.3803
CMYK	0.40, 0.00, 0.38, 0.00
HSL	123°, 100%, 80%
HSV	123°, 40%, 100%
XYZ	55.0766, 80.7609, 45.0380
YIQ	213.4440, -29.6550, -51.7910

Conversions

Conversions Part 2

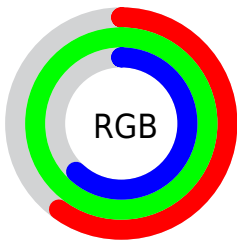
Format	Color
RYB	153, 250, 255
Decimal	10092446
CIELab	92.03, -48.78, 37.23
CIELCh	92, 61.363, 142.644
Yxy	80.7609, 0.3045, 0.4465
Android (android.graphics.Color)	4288282526 (0xFF99FF9E)
YUV	213.4440, -27.3339, -53.0094
Hunter-Lab	89.8671, -47.8706, 33.1930

Details

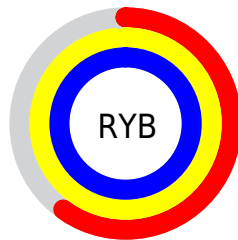
The Yxy color **80.7609, 0.3045, 0.4465** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.9640, 0.3214, 0.2343**, and the grayscale version is **67.0644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1730, 0.3094, 0.3738**, and **43.8949, 0.3001, 0.4779** is the 20% darker color. If you saturate the color by 10%, you get **77.7867, 0.3025, 0.4814**, and if you desaturate by 10%, it is **84.4369, 0.3066, 0.4128**.

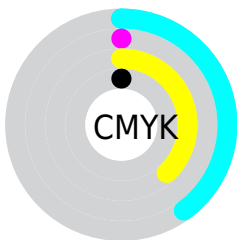
Distribution



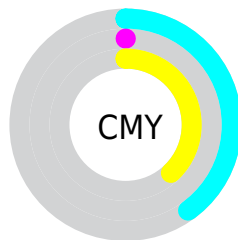
- Red (60%)
- Green (100%)
- Blue (62%)



- Red (60%)
- Yellow (98%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7609, 0.3045, 0.4465 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.7609, 0.3045, 0.4465 by changing the saturation by 10% instead.


 80.7609, 0.3045,
0.4465

 80.7609, 0.3045,
0.4465


497.4934, 0.3104,
0.3896

 60.3447, 0.3026,
0.4600


 134.4350, 0.3070,
0.4263

 43.6965, 0.3000,
0.4769


 168.4617, 0.3078,
0.4186

 30.4320, 0.2961,
0.4985


207.7940, 0.3085,
0.4120

 20.1667, 0.2903,
0.5272

252.8163, 0.3090,
0.4063

 12.5163, 0.2809,
0.5665

303.9130, 0.3095,
0.4013

 7.0963, 0.2643,
0.6227


361.4685, 0.3098,


 3.5224, 0.2451,


0.3969

0.7440

425.8672, 0.3101,
0.3931


 1.4102, 0.0503,
0.9497


 0.2242, 0.0000,
1.0000

 80.7609, 0.3045,
0.4465

 80.7609, 0.3045,
0.4465

 77.7867, 0.3025,
0.4814


 84.4369, 0.3066,
0.4128

 75.4604, 0.3009,
0.5156

 88.8447, 0.3087,
0.3816

 73.7366, 0.2997,
0.5465

 94.0245, 0.3108,
0.3536

 72.5595, 0.2991,
0.5716

99.9976, 0.3127,
0.3290

■ 71.8632, 0.2991,
0.5888

■ 71.5457, 0.2994,
0.5979

■ 71.5452, 0.2994,
0.5979

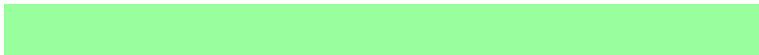
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7609, 0.3729, 0.4587



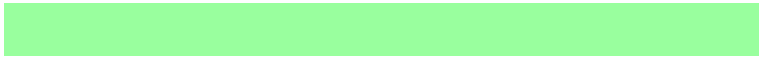
80.7609, 0.3045, 0.4465



80.7609, 0.2419, 0.3874

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7609, 0.3045, 0.4465



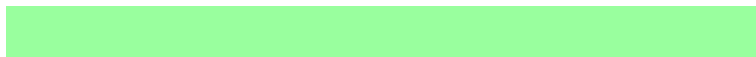
80.7609, 0.2031, 0.2249



80.7609, 0.4374, 0.3262

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.7609, 0.3045, 0.4465



50.9640, 0.3214, 0.2343

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7609, 0.3810, 0.2773



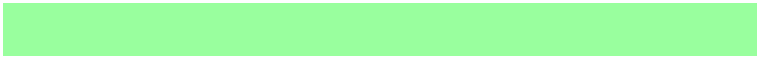
80.7609, 0.3045, 0.4465



80.7609, 0.2441, 0.2214

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7609, 0.3045, 0.4465



80.7609, 0.1884, 0.2546



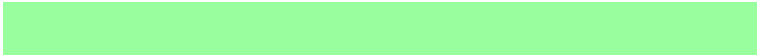
80.7609, 0.3079, 0.2402



80.7609, 0.4543, 0.3795

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7609, 0.3045, 0.4465



80.7609, 0.2117, 0.3366



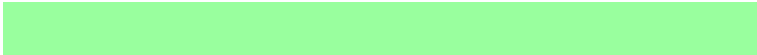
80.7609, 0.3079, 0.2402



80.7609, 0.4222, 0.3090

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.7643, 0.3045, 0.4465



92.9161, 0.3104, 0.3590



94.4398, 0.3704, 0.4292



19.7379, 0.3101, 0.3626



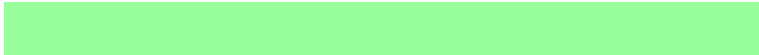
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7643, 0.3045, 0.4465



78.3251, 0.3029, 0.4745



82.8210, 0.2799, 0.3849



20.1825, 0.3109, 0.3524



37.3911, 0.2992, 0.5971



3.6455, 0.2973, 0.5901

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.9640, 0.3214, 0.2343



44.7682, 0.3233, 0.2171



48.2591, 0.3662, 0.2799



18.2842, 0.3146, 0.3067



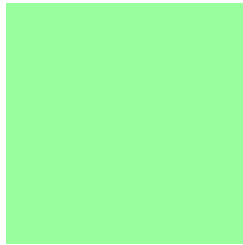
14.4840, 0.3335, 0.1611



1.4148, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 80.7609, 0.3045, 0.4465 looks on a white background.

Color Contrast Check

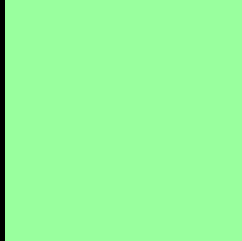
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 80.7609, 0.3045, 0.4465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

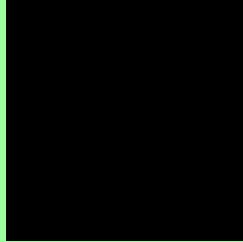
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7609, 0.3045, 0.4465

Background



This preview shows how black text looks on a background with the Yxy color 80.7609, 0.3045, 0.4465.

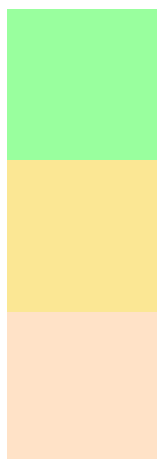


This preview shows how white text looks on a background with the Yxy color 80.7609, 0.3045, 0.4465.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.7609, 0.3045, 0.4465

Protanopia

79.7992, 0.3818, 0.4134

Deuteranopia

79.7762, 0.3519, 0.3565



Tritanopia

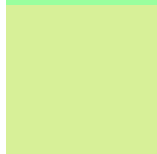
80.3590, 0.2732, 0.3127

Trichromacy



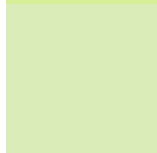
Original Color

80.7609, 0.3045, 0.4465



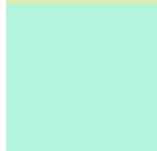
Protanomaly

79.0342, 0.3497, 0.4262



Deuteranomaly

78.9345, 0.3329, 0.3873



Tritanomaly

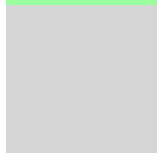
79.7022, 0.2847, 0.3575

Monochromacy



Original Color

80.7609, 0.3045, 0.4465



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.4134, 0.3094, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7609, 0.3045, 0.4465 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 80.7609, 0.3045, 0.4465 is called "border". The border property can be set on classes, ids or directly on the HTML element.

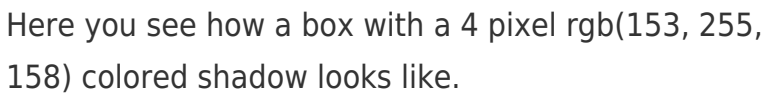
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 158) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 255, 158) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(153, 255, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7609, 0.3045, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
255, 158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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